

heavy S. gale veering round to NW., lasting 6 hours. 25th, 41° 02' N., 65° 08' W., SSW. and WNW. very stormy. 26th, 41° 28' N., 65° 31' W., fresh W. gale, with heavy snow squalls; 40° 34' N., 70° 40' W., storm, snow and hail squalls. 27th, 43° 26' N., 46° 34' W., severe storm. 29th, 49° 22' N., 5° 43' W., 5 a. m., barometer 28.92 lowest; 7 a. m., furious gale from N. and E.; 9 a. m. to 11 p. m., velocity of wind estimated from 50 to 75 miles. 31st, 49° 35' N., 8° 30' W., N. and NW. stormy.

April—1st, 39° 30' N., 14° 25' W., NW. rising wind, heavy snow squalls. 2nd, 49° 26' N., 20° 15' W., moderate NW. gale, high sea, squally; 53° 28' N., 21° 49' W., fresh NW. gale and heavy hail showers; 49° 41' N., 7° 36' W., strong NW. breeze, heavy rain squalls. 4th, 26° 30' N., 69° W., SE. to NW. gale, lasting five days; 49° 50' N., 36° 26' W., strong ESE. gale; 49° 42' N., 11° 33' W., W. and WNW. wind and high sea; 37° 58' N., 50° W., severe hurricane. 6th, 48° 36' N., 27° 15' W., SE. and ESE. moderate breeze, high sea and rain. 2nd to 7th, lat. 36° 50' to 39° 44' N., long. 53° 16' to 63° 39' W., barometer 28.53 in., S. to WSW. gales, with heavy sea. 7th, 35° 30' N., 69° W., heavy NE. gale. 8th, 45° 29' N., 41° 19' W., W. and ESE. variable wind, very high cross-sea, cloudy and heavy rain; Str. "Anthenian", from Liverpool for Constantinople, capsized during heavy gale between 50 and 60 miles off Scilly. 9th, 48° 53' N., 39° 10' W., E. gale and high sea; 43° 26' N., 47° 30' W., fresh NNE. gale, heavy squalls and high sea; 43° 16' N., 47° 50' W., fresh ESE. and NE. gale, very high sea, heavy rain; 44° 43' N., 44° 32' W., fresh NE. gale and high sea. 10th, 42° 16' N., 54° 54' W., moderate NE. and N. gale, and very high sea. 17th, 43° 50' N., 46° 42' W., fresh westerly breeze to fresh gale and high sea; 45° 32' N., 43° 50' W., fresh NW. breeze and heavy squalls; 48° 05' N., 29° 00' W., SW. changeable winds, heavy squalls. 18th, 42° 08' N., 53° 21' W., and 43° 40' N., 48° 07' W., strong NW. gales, high seas; 36° 50' N., 57° W., SSE. gale, heavy squalls. 19th, 45° 21' N., 39° 15' W., WNW. heavy weather and sea; 50° 58' N., 13° 14' W., strong SSW. gale; 49° 38' N., 23° 07' W., SW. and NW. increasing wind and sea, moderate gale in morning. 20th, 43° 39' N., 48° 47' W., strong NE. to NW. gale and snow-storms; 43° 48' N., 45° 41' W., W. and SE. heavy weather and sea; 49° 08' N., 27° 41' W., hard NW. gale and heavy W. sea; 50° 39' N., 18° 08' W., variable winds, strong gale and high westerly sea; 48° 37' N., 28° 01' W., violent WNW., SW. and NW. gale, very high westerly sea. 21st, heavy gale along northern coast of Spain; 42° 30' N., 56° 14' W., NW. storm and rain; 50° 01' N., 22° 56' W., variable, strong gale and high westerly sea; 47° 06' N., 35° 19' W., NW. and SSE. gale. 22nd, 48° 53' N., 28° 08' W., variable winds, strong gales and high westerly sea; 45° 58' N., 38° 42' N., very heavy SW. and NW. gale, and tremendous NW. sea. 23rd, 48° 08' N., 35° 43' W., strong westerly gale; 47° 53' N., 33° 18' W., strong NNW. breeze and squally. 25th, 43° 00' N., 49° 19' W., W. to N. by W. strong gale; 44° 41' N., 43° 22' W., strong northerly gale, high westerly sea and terrific squalls. 27th., 47° 53' N., 33° 11' W., strong E. gale, high SE. sea.

Ice at Sea.—April 6th, steamer "Northern Light" 3 miles off Cariboo, N. S., in solid field of ice; passengers report Gulf of St. Lawrence and Straits of Northumberland full of ice as far as they could see. 10th, 30 miles east of N'f'd banks, large iceberg. 16th, 46° 45' N., 42° 21' W., very large iceberg. 17th, vessel from St. John's N'f'd, at Halifax, N. S., reports saw ice as far as eye could reach; whole of Cape Breton coast up to Canso blockaded. 18th, White Bay, N'f'd., steamer "Micmac" crushed in ice.

TEMPERATURE OF THE AIR.

The isothermal lines on chart No. II illustrate the general distribution of the temperature of the air for the month. Like the preceding month, the average of the mean temperatures is above that for years in every district, and mostly so in the Lake region, as will appear from a reference to the table on the left side of the same chart.

Minimum and Maximum Temperatures, respectively: *Maine*—at West Waterville, 29° and 65°; Orono, 30°, 68°. *New Hampshire*—Mt. Washington, 15°, 47°; Dunbarton, 34°, 71°. *Vermont*—Woodstock, 28°, 72°; West Charlotte, 36°, 82°. *Massachusetts*—Rowe, 32°, 64°; Somerset, 38°, 80°. *Rhode Island*—Chepachet, 32°, 74°; Newport, 35°, 67°. *Connecticut*—New London, 37°, 72°; Mystic, 36°, 78°. *New York*—Waterburg, 27°, 76°; Moriches, 42°, 78°. *New Jersey*—Vineland, 33°, 85°; Atco, 41°, 82°. *Pennsylvania*—Franklin, 24°, 78°; Cannonsburg, 32°, 89°. *Delaware*—Milford, 41°, 80°; Dover, 46°, 80°. *Maryland*—Woodstock, 34°, 79°; New Market, 40°, 86°. *District of Columbia*—Washington, 42°, 84°. *Virginia*—Wytheville, 31°, 83°; near Keswick Station, 44°, 88°. *West Virginia*—Helvetia, 30°, 86°; Morgantown, 32°, 89°. *North Carolina*—Highlands, 33°, 75°; Weldon, 45°, 90°. *South Carolina*—Aiken, 42°, 84°; Charleston, 46°, 84°. *Arkansas*—Mt. Ida, 38°, 88°; Judsonia, 50°, 85°. *Tennessee*—Knoxville, 37°, 82°; Austin, 42°, 86°. *Kentucky*—Danville, 41°, 80°; Louisville, 42°, 82°. *Ohio*—Lewisburg, 30°, 77°; Ringgold, 36°, 86°. *Indiana*—Richmond, 32°, 77°; St. Meinrad, 45°, 82°. *Michigan*—Fort Wayne, 21°, 73°; Detroit, 29°, 74°; Escanaba, 25°, 63°; Northport, 32°, 78°. *Wisconsin*—Neillsville, 15°, 75°; Embarrass, 30°, 78°; La Crosse, 35°, 77°. *Illinois*—Riley, 30°, 75°; Cairo, 44°, 83°; Anna, 46°, 85°. *Georgia*—Gainesville, 42°, 84°; Augusta, 45°, 89°. *Florida*—Milton, 50°, 86°; Okahumpka, 50°, 92°. *Alabama*—Montgomery, 45°, 88°; Mobile, 50°, 86°. *Mississippi*—Brookhaven, 44°, 79°; Vicksburg, 49°, 86°.

Louisiana—Baton Rouge Barracks, 40°, 89°; Okalooska, 46°, 89°; Shreveport, 44°, 88°. *Texas*—Fort McKavett, 34°, 90°; New Ulm, 51°, 92°; Brackettville, 45°, 95°; Rio Grand City, 51°, 109°. *Indian Territory*—Fort Sill, 32°, 91°; Fort Gibson, 36°, 87°. *Missouri*—Corning, 33°, 80°; Oregon, 34°, 87°; Springfield, 40°, 86°. *Iowa*—Logan, 26°, 80°; Guttenburg, 28°, 78°; Fort Madison, 39°, 82°. *Minnesota*—Minneapolis, 27°, 73°; Breckenridge, 25°, 74°. *Dakota*—Pembina, 21°, 76°; Fort Randall, 24°, 80°; Lower Brule Agency, 28° 81°. *Nebraska*—Fort McPherson, 5°, 80°; Camp Sheridan, 20°, 80°; De Soto, 32°, 86°. *Kansas*—Fort Hays, 29°, 86°; Creswell, 30°, 88°; Empire City, 40°, 96°. *New Mexico*—Fort Union, 15°, 78°; *Montana*—Virginia City, 19°, 65°. *Colorado*—Pike's Peak, —19°, 34°; Fort Garland, 6°, 70°; Denver, 29°, 80°. *Wyoming*—Fort Sanders, 12°, 65°; Camp Brown, 15°, 73°; Cheyenne, 19°, 71°. *Utah*—Coalville, 26°, 69°; Salt Lake City, 30°, 73°. *Idaho*—Boise City, 23°, 77°. *Nevada*—Winnemucca, 24°, 74°; Camp McDermit, 26°, 82°; Pioche, 21°, 75°. *California*—Santa Cruz, 36°, 70°; Red Bluff, 35°, 90°; Los Angeles, 41°, 80°. *Oregon*—Umatilla, 24°, 82°; Roseburg, 29°, 76°. *Arizona*—Tucson, 36°, 94°.

Ranges of Temperature.—The monthly ranges will appear from an examination of the minima and maxima temperatures just given. *Greatest daily ranges*,—vary in New England from 13°, least, on Mt. Washington to 36° at Boston; Middle Atlantic States, 16° at Cape May to 33° at Lynchburg; South Atlantic States, 19° at Cape Lookout to 33° at Augusta; East Gulf States, 14° at Key West to 39° at Montgomery; West Gulf States, 19° at Galveston to 36° at Shreveport and 46° at Fort Griffin; Ohio Valley and Tennessee, 23° at Cincinnati to 34° at Pittsburg; Lower Lake region, 22° at Oswego to 36° at Erie; Upper Lake region, 19° at Milwaukee to 27° at Duluth and Marquette; Upper Mississippi valley, 24° at St. Louis to 30° at Dubuque; Lower Missouri valley, 28° at Omaha to 41° at Yankton; Minnesota and Dakota, 24° at Bismarck to 42° at Pembina; Colorado, 34° on Pike's Peak to 41° at Denver; Utah, Nevada and Idaho, 29° at Salt Lake City to 40° at Winnemucca; California, 16° at San Francisco to 30° at Los Angeles and 41° at Red Bluff and Yuma.

Ice is reported to have formed as follows: *Dakota*, at Norristown, † in., 6th. *Missouri*, at Oregon, 3rd, 11th. *Nebraska*, at Geneva, 1st, 3rd, 4th. *Ohio*, at Westerville, 5th, 7th, 11th; at Urbana, † in., 5th. *Utah*, at Coalville, 10th, 24th. *Vermont*, at Stafford, 18th; at West Charlotte, 20th.

Frosts on the nights of the 24th and 25th of March injured vegetation as follows: in Clark Co., Va., peaches, cherries and other early blossoming fruits nearly all destroyed; at Hagerstown, Md., cherries, peaches and early fruit somewhat injured. On April 20th peach blossoms were injured at Winnemucca, Nev.; April 18th flowers were killed on low ground at Kensico, N. Y.

PRECIPITATION.

On chart No. III is illustrated the general distribution of the rain-fall, which includes the melted snow, for the month. On the left side of the same chart will be found a table giving the average precipitation for April by districts. Deficiencies have occurred in the Middle Atlantic States, Ohio valley, and at Portland, Or. In the remaining sections the fall has been above the average, especially in the South Atlantic States, Minnesota and Dakota.

Special Heavy Rains:—2nd, Gulf Hammock, Levy Co., Fla., (1st to 3rd,) 4.75 in.; Mayport, Fla., (1st to 3rd,) 3.00 in.; St. Augustine, Fla., (1st to 3rd,) 4.64 in. 4th, Goldsboro, N. C., (3rd, 4th,) 2.07 in.; Cape Henry, 2.53 in.; Cape Hatteras, 2.05 in. 7th, Indianola, 2.73 in. 8th, Galveston, 3.27 in.; Vicksburg, 2.40 in.; near Brookhaven, Miss., 2.10 in.; near Fayette, Miss., 2.50 in.; Fort Barrancas, Fla., 2.75 in. 9th, Tybee Island, (8 a. m. to 10 p. m.,) 4.36 in.; Savannah, 3.52 in.; Charleston, 5.26 in.; Gulf Hammock, Fla., 2.00 in.; Highlands, N. C., 3.00 in.; Daytona, Fla., (9th, 10th,) 2.70 in. 10th, Goldsboro, N. C., (9th, 10th,) 2.25 in.; Lenoir, N. C., (9th, 10th,) 2.20 in.; Breckenridge, (10th, 11th,) 5.12 in.; Vevay, Ind., 2.80 in.; Cape Hatteras, 2.83 in. 11th, Greenville, N. C., 3.00 in. 14th, Fort Rice, Dak., (14th to 16th,) 3.94 in. 15th, near Quitman, Ga., (14th, 15th,) 2.60 in.; St. Mark's, 3.69 in.; Shreveport, 2.92 in. 17th, Bismarck, 2.35 in.; Deadwood, 3.20 in.; Fort Randall, Dak., (15th to 17th,) 2.35 in.; 18th, near Fayette, Miss., 2.30 in.; 19th, Memphis, (19th and 20th,) 3.59 in.; Mt. Sterling, Ill., (in two hours,) 3.00 in. 21st, Elmira, Ill., 2.40 in.; Neillsville, Wis., (21st and 22nd,) 2.30 in.; Manitowac, Wis., (21st and 22nd,) 2.18 in.; Deadwood, (21st and 22nd,) 2.26 in.; Wautoma, Wis., 3.00 in. 22nd, Anna, Ill., (22nd and 23rd,) 2.35 in.; Indianapolis, 2.04 in.; Empire City, Kan., 2.75 in.; Baxter Springs, Kan., 3.10 in.; Melissa, Tex., 2.00 in.; Mt. Ida, Ark., (22nd and 23rd,) 2.60 in. 23rd, Peoria, Ill., 1.98 in.; McMinnville, Tenn., 2.60 in.; St. Louis, (22nd and 23rd, in about five hours,) 3.75 in.; Memphis, 3.98 in.; Nashville, 2.95 in.; Vicksburg, 2.93 in.; Judsonia, Ark., 2.10 in.; Springfield, Mo., (22nd and 23rd,) 4.40 in.; Lebanon, Mo., (21st to 24th,) 4.49 in.; near Brookhaven, Miss., 2.35 in.; near Fayette, Miss., 2.70 in.; Macon, Miss., 2.25 in.; Ft. Barrancas, Fla., 3.48 in.; Green Springs, Ala., 2.50 in. 24th, Mobile, 2.13 in.; Montgomery, 2.17 in.; Grand Rapids, Mich., 2.61 in.; Martinsville, Ill., (22nd to 24th,) 5.78 in. 25th, Cape Henry, Va., 2.50 in. 26th, Milton, Mass., (25th and 26th,) 2.20 in. 27th, Mt. Washington, (25th to 29th,) 9.50 in.; Wolfboro, N. H., (26th and 27th,) 2.50 in. 28th, Rowe, Mass., (27th and 28th,) 2.35 in.;